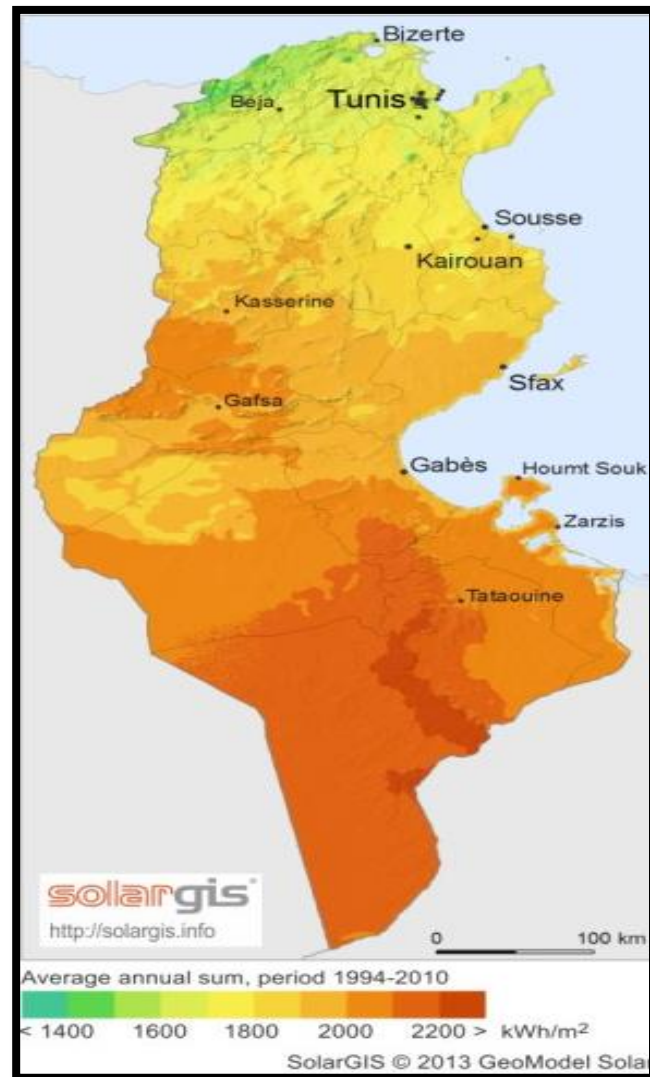


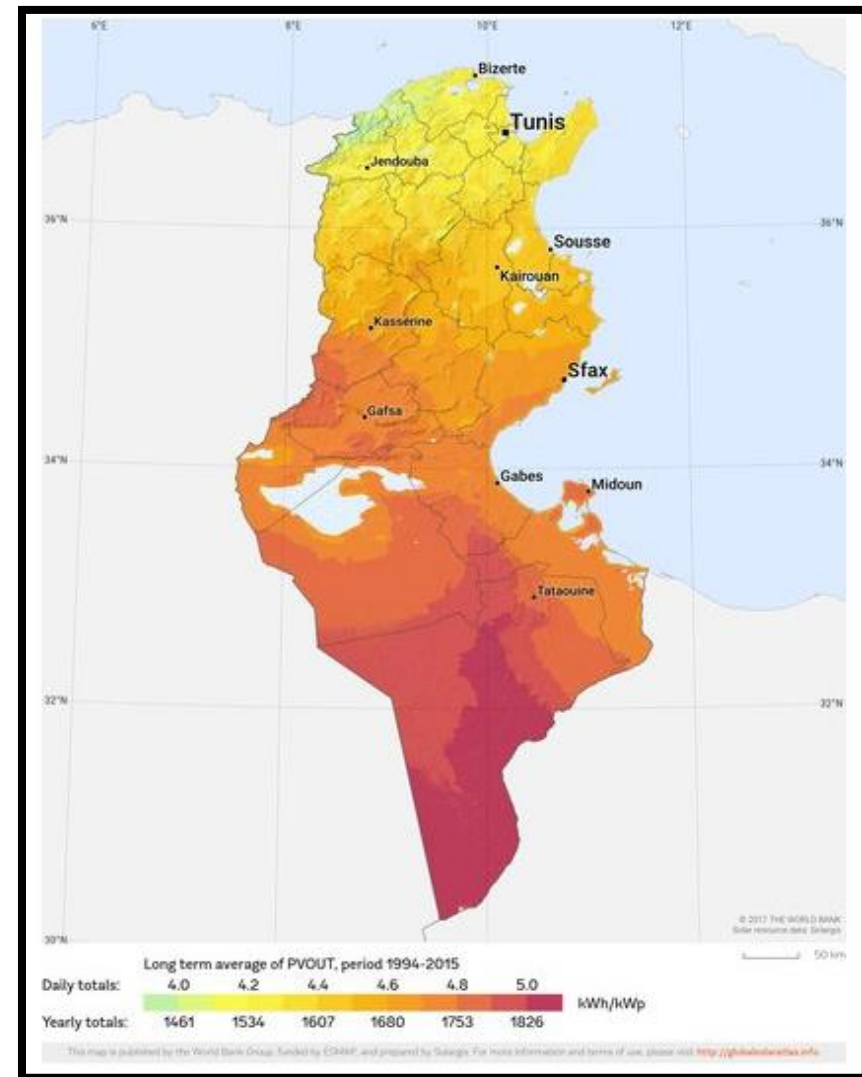
# ***POTENTIAL FOR SOLAR IN TUNISIA***

# Solar Resource in Tunisia

## Direct Normal Irradiance



## Global Horizontal Irradiance

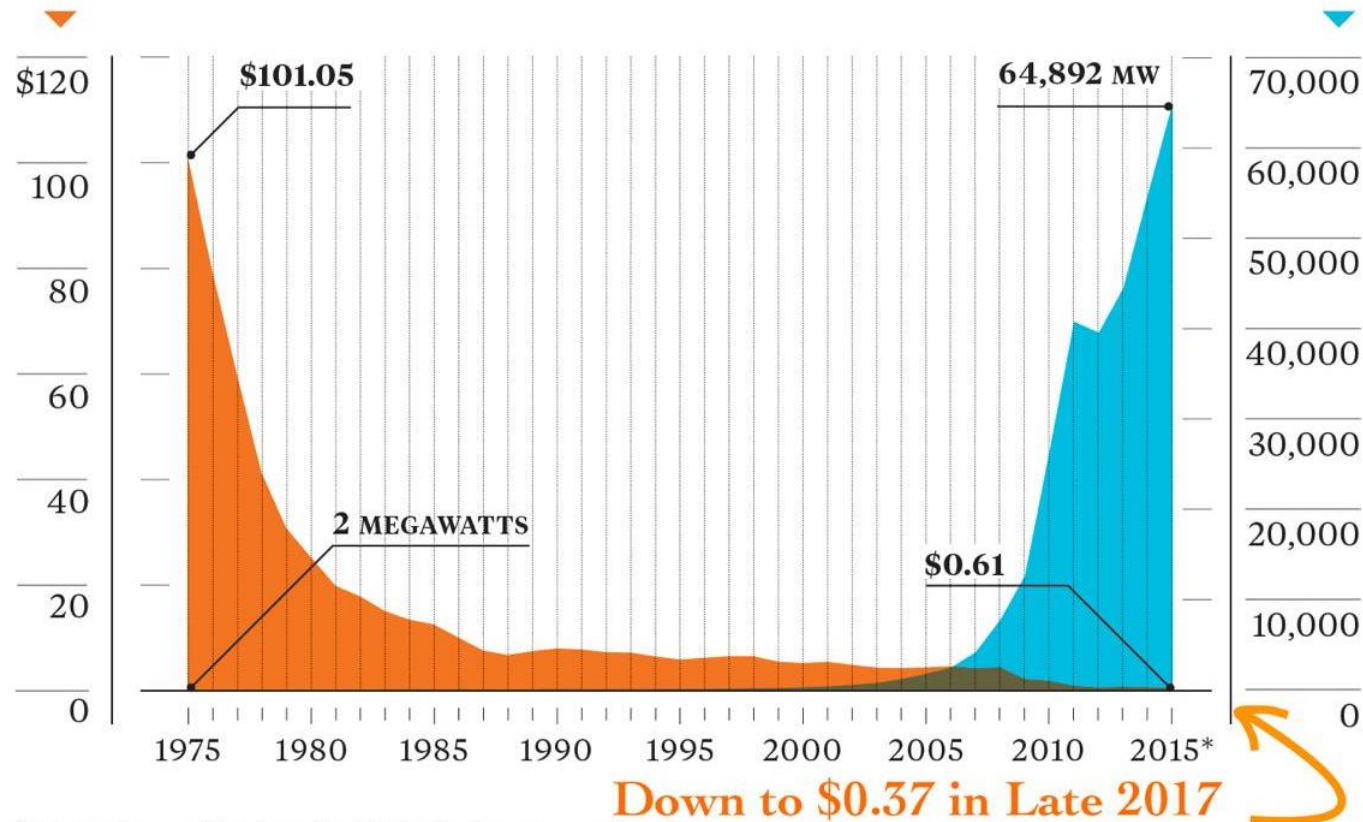


# PV is cost competitive

## PV prices are going down

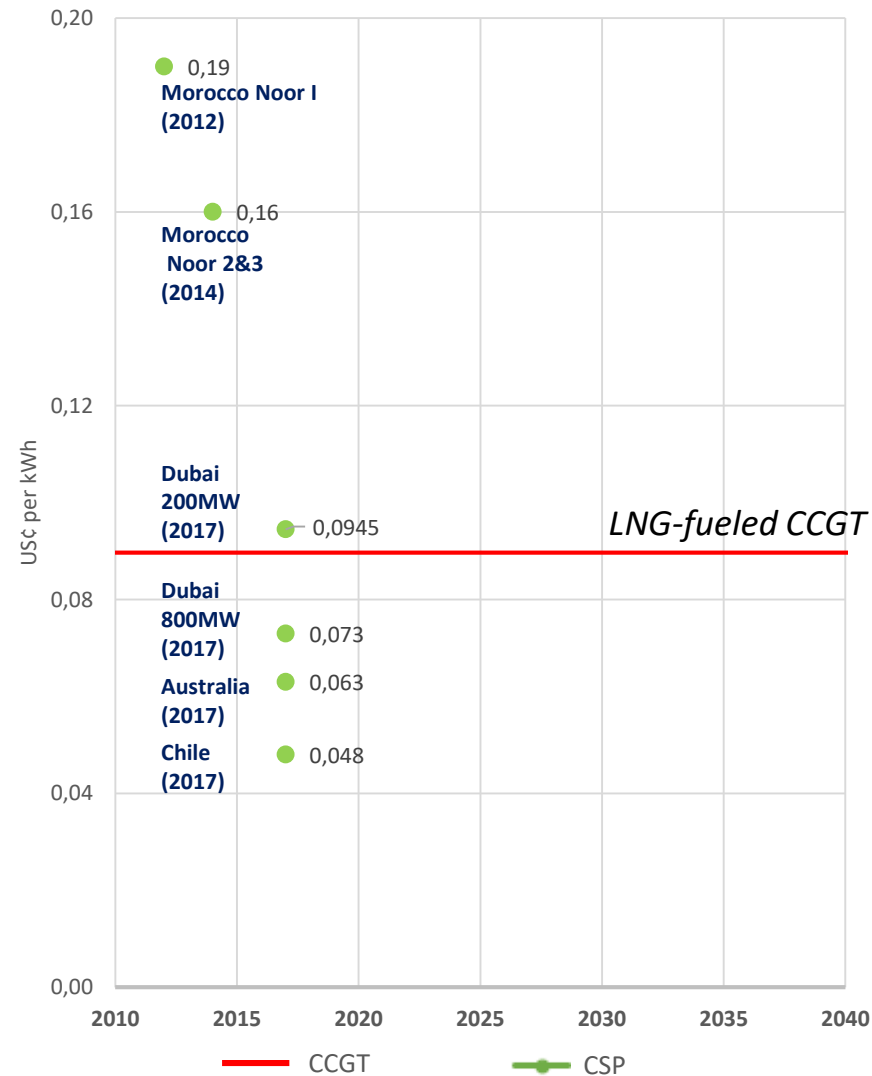
Price of a solar panel per watt

Global solar panel installations

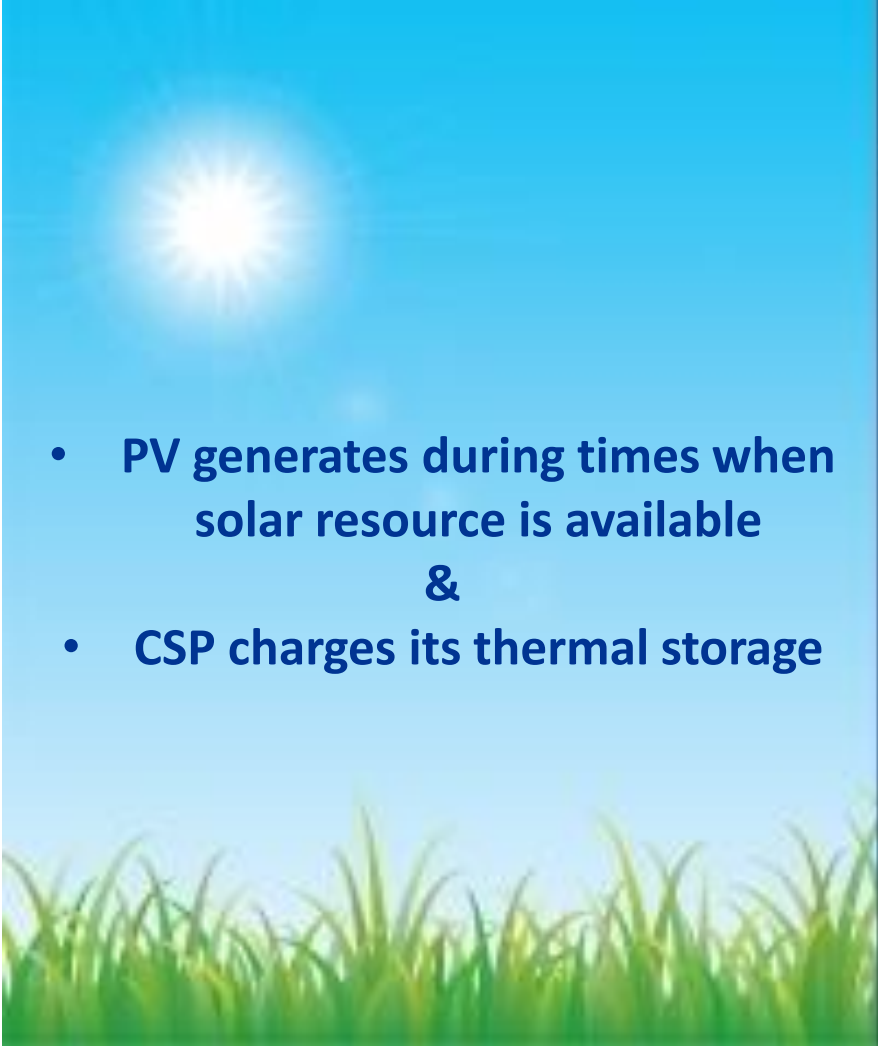


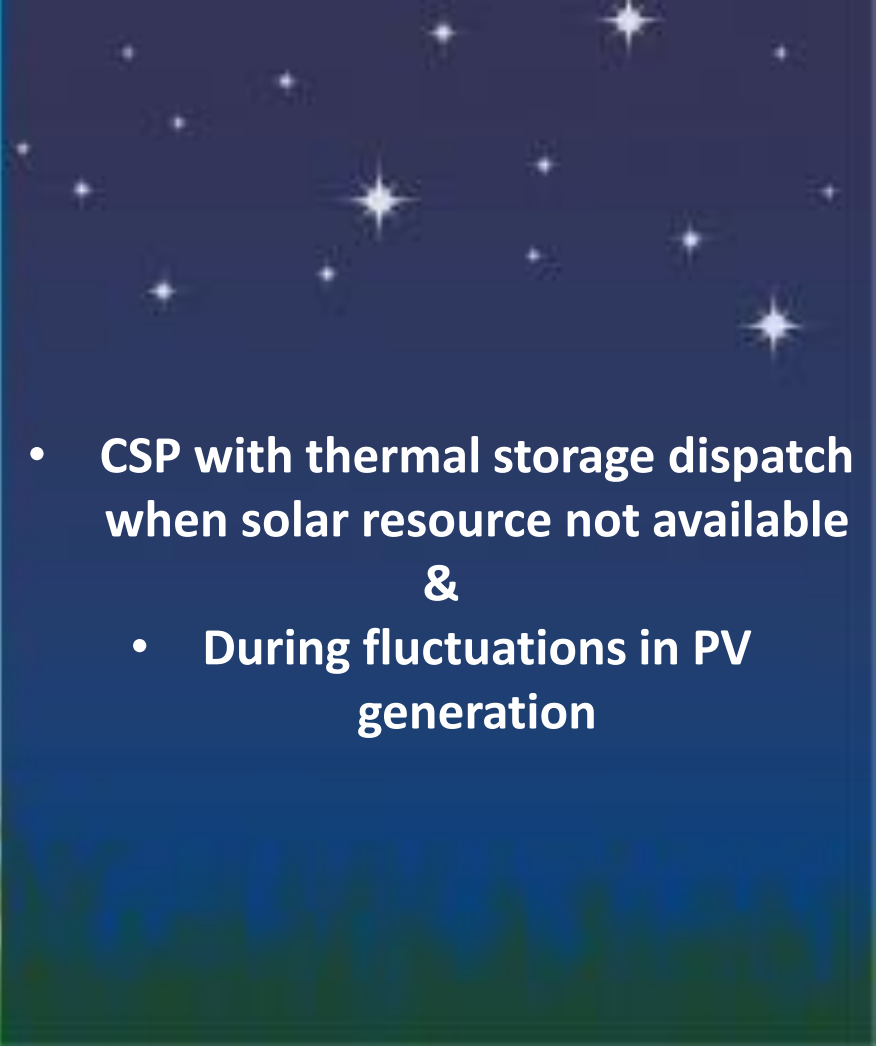
\*Estimate. Sources: Bloomberg, Earth Policy Institute, [www.earth-policy.org](http://www.earth-policy.org)

# CSP is becoming cost competitive



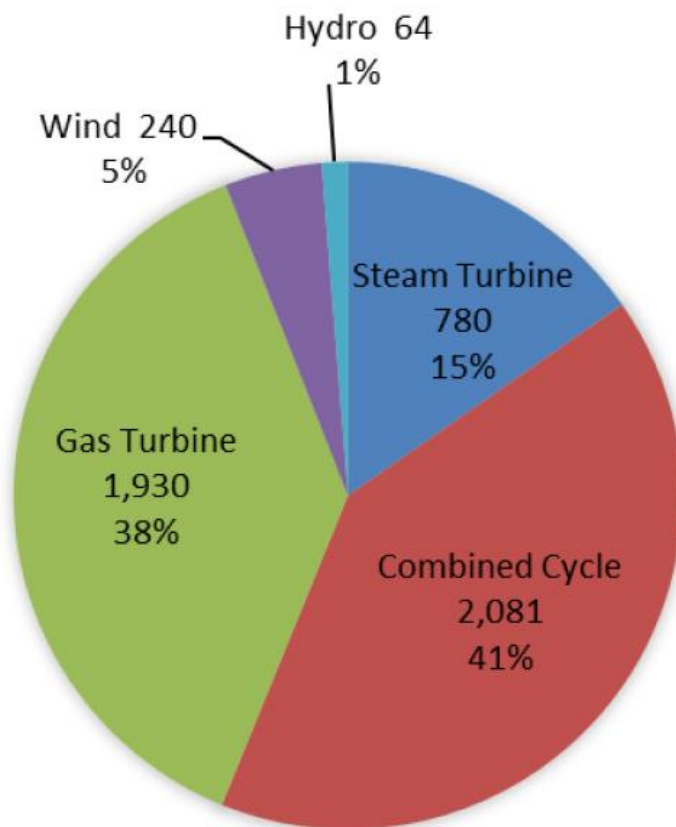
# ***PV + CSP = Potential for 24-hour solar energy***

- 
- **PV generates during times when solar resource is available**
  - &**
  - **CSP charges its thermal storage**

- 
- **CSP with thermal storage dispatch when solar resource not available**
  - &**
  - **During fluctuations in PV generation**

## *Less dependence on carbon-based generation*

Generation capacity by technology in 2016 (MW)



- Tapping on solar could help diversify Tunisia's generation, increasing security of supply
- Solar (and other RE) generation key to meeting Tunisia's sustainable development goals



# Potential renewable energy export to Europe

Tunisia could export solar-generated electricity to Europe

- 600MW interconnector between Tunisia and Italy being considered
- Tunur's proposal to establish a 250MW CSP with storage plant in Tunisia to export baseload electricity to Europe

A concept being tested...

- Through Roadmap on Sustainable Electricity Trade (SET) between Morocco and Europe

